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Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

JUN 28 1999

99-EAP-357

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352



Addressees:

**COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT
ORDER (TRI-PARTY AGREEMENT) INTERIM MILESTONE M-90-12**

This letter is to notify the State of Washington Department of Ecology (Ecology) that the Tri-Party Agreement Interim Milestone M-90-12 due June 30, 1999, is completed with this letter. This milestone required that the U.S. Department of Energy, Richland Operations Office (RL) submit a revised Hanford Facility Dangerous Waste Part A Permit Application (Part A), Form 3, Revision 0, for the Immobilized High-Level Waste Interim Storage Unit (IHLW). The enclosed IHLW Part A, Form 3, meets Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Milestone M-90-12.

The IHLW Part A, Form 3, has been prepared to address the addition of container storage of vitrified high-level mixed waste in two vaults within the Canister Storage Building 212-H located in the 200 East Area of the Hanford Site. A Notice of Intent (NOI) for interim status expansion was submitted for public review on January 15, 1999, in accordance with Washington Administrative Code (WAC) 173-303-281.

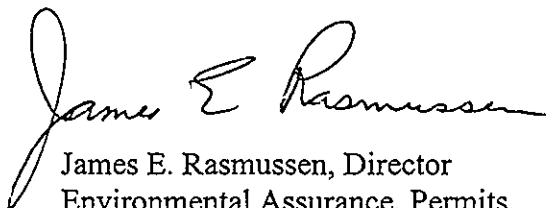
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99-EAP-357

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This provides record notification that the interim milestone has been completed per the schedule due date. Should you have any questions regarding the Part A, Form 3, please contact Tony McKarns, of my staff, on (509) 376-8991, or Phil Lamont, Disposal Program Division, on (509) 376-6117.

Sincerely,



James E. Rasmussen, Director
Environmental Assurance, Permits,
and Policy Division

EAP:ACM

Enclosures:

1. Hanford Facility Part A, Form 3,
Revision 0 for the IHLW
2. Immobilized High-Level Waste Interim
Storage Unit Part A, Form 3,
Revision Explanation

cc w/encls:

Ecology Library, Kennewick
EDMC, H6-08
J. R. Wilkinson, CTUIR
L. J. Cusack, Ecology
M. Jaraysi, Ecology
L. E. Ruud, Ecology
T. Valareo, Ecology
W. D. Adair, FDH
E. E. Mayer, LMHC
P. Sobotta, NPT
J. A. Winterhalder, WMH
R. Jim, YIN

cc w/o encls:

S. M. Price, FDH
M. L. Deffenbaugh LMHC
R. H. Engelmann, WMH
J. L. Williams, Jr., WMH

ENCLOSURE 1

DANGEROUS WASTE PERMIT APPLICATION
PART A, FORM 3, REVISION 0
IMMOBILIZED HIGH-LEVEL WASTE INTERIM STORAGE UNIT

ECL - 300 - ECY 030-31 Form 3 Rev. 2/84 Page 1 of 8 CONTINUE ON REVERSE

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

The Immobilized High-Level Waste (IHLW) Interim Storage Unit is located in the Canister Storage Building (CSB) 212-H in the 200 East Area of the Hanford Facility. The IHLW storage process is scheduled to begin operations in February 2007.

S01

The interim storage unit will store canisters of vitrified mixed immobilized high-level waste from the treatment of Hanford Facility tank system waste. The IHLW vitrified mixed waste will be stored in vaults 2 and 3 of the CSB 212-H. Each vault contains a matrix of 22 rows of 10 storage tubes per row, plus an addition of 6 overpack tubes per vault, for a total of 226 tubes per vault. Each tube is capable of holding two 4.5 meter long immobilized high-level waste canisters. The vitrified mixed waste canisters eventually will be transported to an approved national geological repository for disposal.

The maximum process design capacity for container storage of IHLW vitrified mixed waste will be 1,530,000 liters.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or toxic contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

D. PROCESSES																		
LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
X-1	K	0	5	4	900	P	T	0	3	D	8	0						
X-2	D	0	0	2	400	P	T	0	3	D	8	0						
X-3	D	0	0	1	100	P	T	0	3	D	8	0						
X-4	D	0	0	2			T	0	3	D	8	0				included with above		

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I. D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEAS- URE (enter code)	D. PROCESSES				
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D002	610,000	K	S01				Storage - Container
2	D004							
3	through							
4	D011							
5	D018							
6	D019							
7	D022							
8	D028							
9	D029							
10	D030							
11	D033							
12	through							
13	D036							
14	D038							
15	D039							
16	D040							
17	D041							
18	D043							
19	WT01							
20	WT02							
21	WP01							
22	WP02							
23	F001							
24	through							
25	F005							Included with above.
26								

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTE (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

V. FACILITY DRAWING Refer to attached drawing(s).

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS Refer to attached photograph(s).

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information," place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

SIGNATURE

DATE SIGNED

Keith A. Klein, Manager

U.S. Department of Energy

Richland Operations Office

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

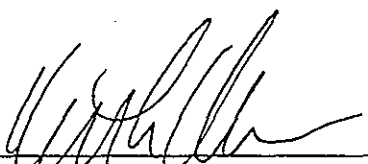
SIGNATURE

DATE SIGNED

SEE ATTACHMENT

X. OPERATOR CERTIFICATION


I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Owner/Operator
Keith A. Klein, Manager
U.S. Department of Energy
Richland Operations Office

6/28/99

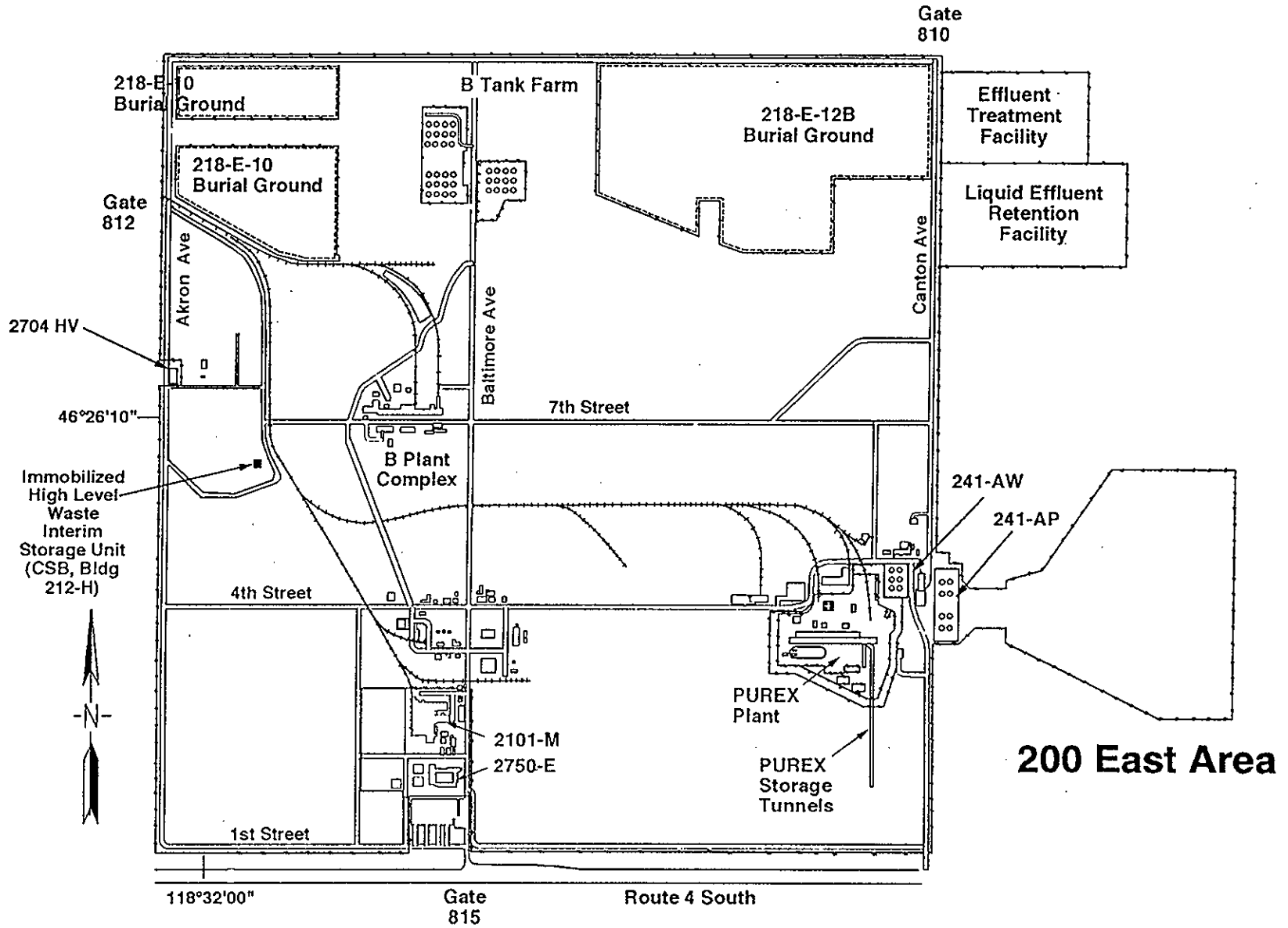
Date



R. D. Hanson,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.
Co-operator

5/26/99

Date



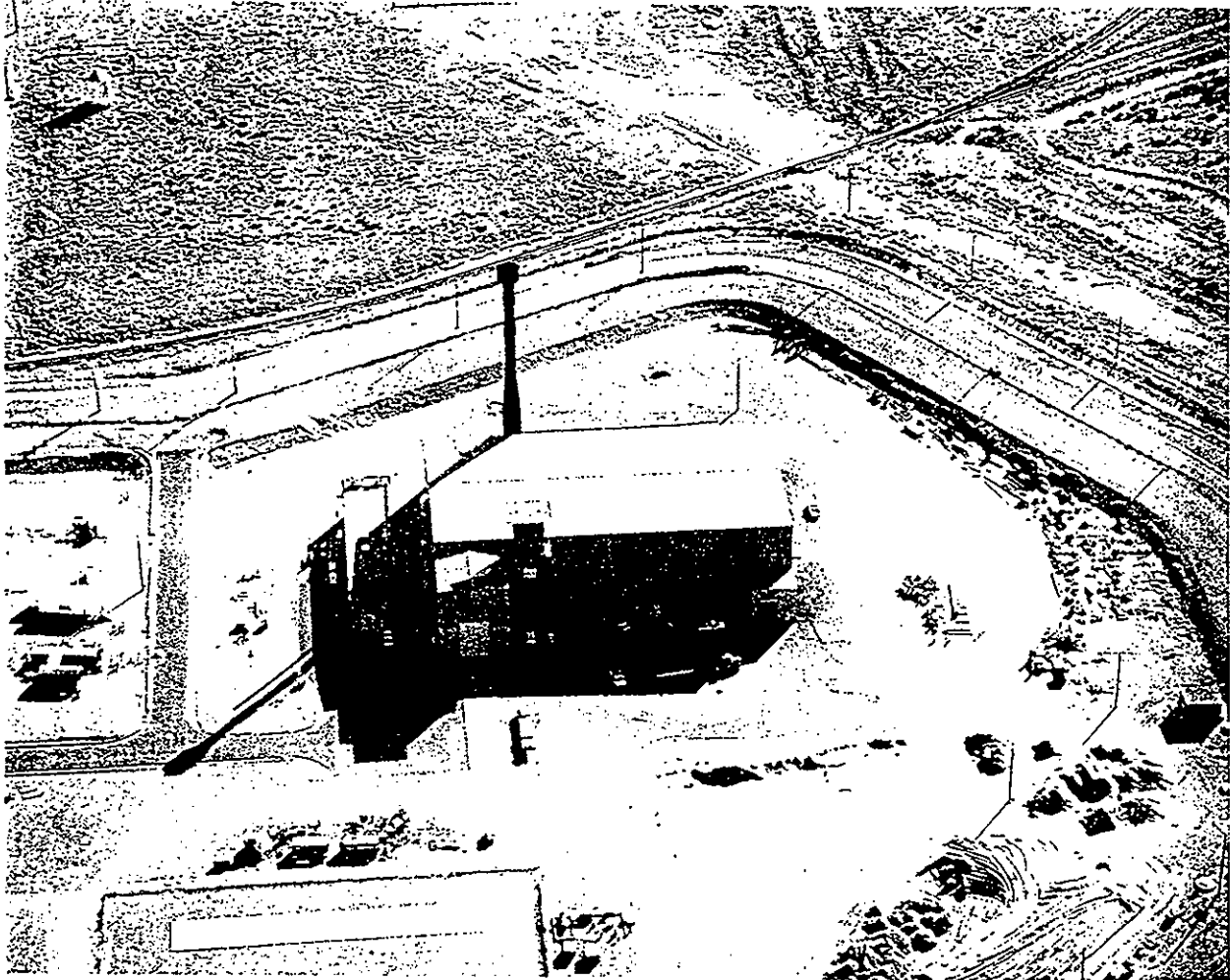
CSB = Canister Storage Building 212-H

H98070121.1



H98060028.18

IHLW Interim Storage Unit Aerial View



46°26'10"
118°32'00"

99030146-5JPG
(PHOTO TAKEN 1999)